CONSTRUCTION PHASING, MOT AND EROSION CONTROL PHASE 1

SCALE
0 50 100 150
FEET

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
20-007-02	NEW CASTLE	SEE TITLE SHEET	83	151

SR 41 (LANCASTER PIKE) SAFETY PROJECT

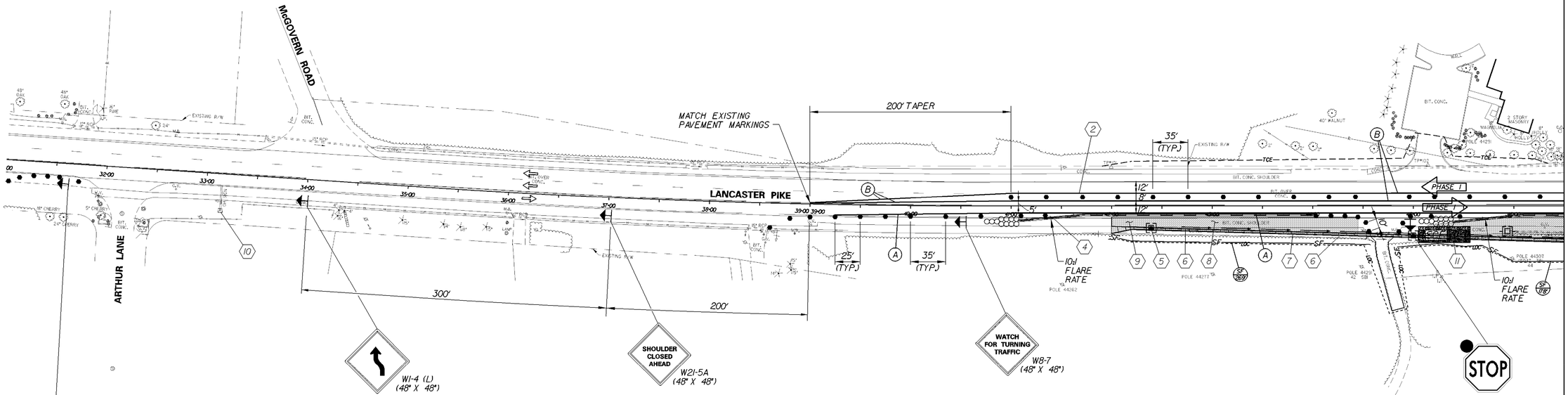
REVISIONS	

CONSTRUCTION SEQUENCE LEGEND

- TEMPORARY CONSTRUCTION
- WORK AREA THIS PHASE
- EXISTING TRAFFIC FLOW AREA
- TEMPORARY WHITE PAVEMENT MARKING ARROW
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (D) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 4" DASHED YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING

SEQUENCE OF CONSTRUCTION

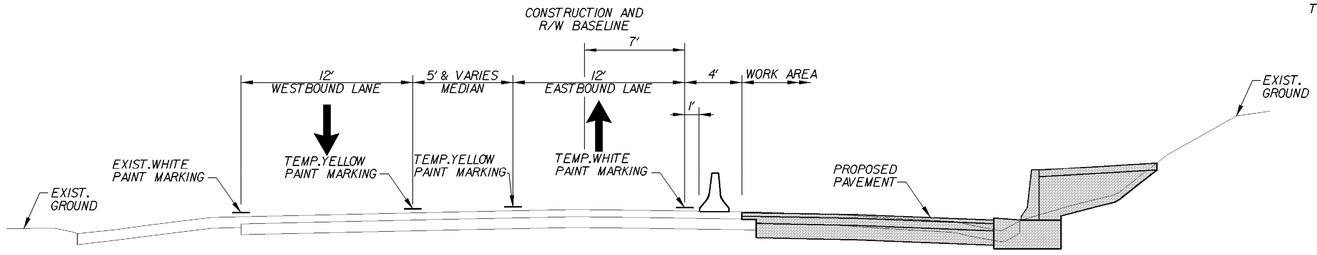
1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE FIRST CONSTRUCTION PHASING, MOT AND EROSION CONTROL SHEET.
2. REMOVE EXISTING STRIPING AS NECESSARY USING CASE 6, AND PLACE TEMPORARY PAVEMENT STRIPING, USING CASE 8A, AS SHOWN UNDER PHASE I TRAFFIC CONTROL.
3. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE I.
4. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, PLACE PORTABLE CONCRETE SAFETY BARRIER ALONG THE SOUTH SIDE OF SR 41 (8' OFFSET RT.) BETWEEN STA. 41+00 TO STA. 52+60 WITH CRASH CUSHION END SECTION PROTECTION. PLACE PLASTIC DRUMS IN TEMPORARY STRIPED MEDIAN AREA FROM STA. 41+00 TO STA. 52+50.
5. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN.
6. REMOVE EXISTING SHOULDER AND PLACE DRAINAGE SYSTEM WORKING UPSTREAM FROM OUTFALL POINT(S).
7. CONSTRUCT CURB AND GUTTER/BARRIER WITH UNDERDRAIN AS SHOWN.
8. GRADE AND BOX OUT FOR PROPOSED EASTBOUND WIDENING PAVEMENT SECTION OF SR 41 TO THE LIMITS SHOWN. PLACE TRM HOT-MIX AS NEEDED TO PROVIDE TEMPORARY ACCESS DURING RECONSTRUCTION.
9. PLACE PROPOSED HOT-MIX PAVING SECTION UP TO THE TOP OF THE TYPE B HOT-MIX LAYER TO LIMITS SHOWN.
10. USING CASE 2 OF THE TRAFFIC CONTROL MANUAL, REMOVE AND REPLACE EXISTING SPEED REDUCTION WARNING SIGN AND STRUCTURE. REPLACE STRUCTURE WITH NEW ADVANCED WARNING SIGN FOR NEW SIGNAL. LEAVE SIGN COVERED.
11. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES AND SWITCH TO PHASE 2 TRAFFIC CONTROL.
12. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, REMOVE/ RELOCATE PORTABLE PCC BARRIER AS NEEDED PRIOR TO SWITCH TO PHASE 2 TRAFFIC CONTROL.



ON OR ABOUT	LANCASTER PK
	ROADWORK
X/XX TO X/XX	TO BEGIN

PORTABLE MESSAGE BOARD SHALL BE PLACED TWO WEEKS PRIOR TO BEGINNING OF PHASE I.

LOCATION OF MESSAGE BOARD SHALL BE AS DIRECTED BY THE ENGINEER AND SHALL BE ADJUSTED TO AVOID CONFLICTS WITH OTHER WORK ZONE SIGNS.



SR 41

STA. 42+00 TO STA. 53+00

NOT TO SCALE

PRELIM. TRACING ____ U.A.D. ____ DESIGN ____ C.L.G./D.E.G. ____ CHKD. ____ M.M.P. ____

6/11/2004

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
20-007-02	NEW CASTLE	SEE TITLE SHEET	84	151

SR 41 (LANCASTER PIKE) SAFETY PROJECT

REVISIONS	

CONSTRUCTION PHASING, MOT AND EROSION CONTROL PHASE 1

SCALE
0 50 100 150
FEET

N

CONSTRUCTION SEQUENCE LEGEND

- TEMPORARY CONSTRUCTION
- WORK AREA THIS PHASE
- EXISTING TRAFFIC FLOW AREA
- TEMPORARY WHITE PAVEMENT MARKING ARROW
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (D) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 4" DASHED YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING

SEQUENCE OF CONSTRUCTION

** SEE SUPPLEMENTAL SEQUENCING **

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE FIRST CONSTRUCTION PHASING, MOT AND EROSION CONTROL SHEET.
2. REMOVE EXISTING STRIPING AS NECESSARY USING CASE 6, AND PLACE TEMPORARY PAVEMENT STRIPING, USING CASE 8A, AS SHOWN UNDER PHASE 1 TRAFFIC CONTROL.
3. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE 1.
4. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, PLACE PORTABLE CONCRETE SAFETY BARRIER ALONG THE SOUTH SIDE OF SR 41 (8' OFFSET RT.) BETWEEN STA. 41+00 TO STA. 52+60. PLACE BARRIER ON EAST SIDE OF VALLEY ROAD BETWEEN OLD LANCASTER PIKE AND SR 41 (7' OFFSET RT.) AS SHOWN.
5. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, PLACE PLASTIC DRUMS ALONG SOUTH SIDE OF SR 41 TO DELINEATE OPENINGS FOR ENTRANCES AND SIDE ROADS. ALSO PLACE PLASTIC DRUMS IN TEMPORARY STRIPED MEDIAN AREA FROM STA. 41+00 TO STA. 55+50.
6. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN INCLUDING SEDIMENT TRAP.
7. CONSTRUCT BIOFILTRATION SWALE. SEE SUPPLEMENTAL SEQUENCING THIS SHEET FOR TIMING.
8. REMOVE EXISTING SHOULDER AND PLACE DRAINAGE SYSTEM WORKING UPSTREAM FROM OUTFALL POINT(S). SEE SUPPLEMENTAL SEQUENCING THIS SHEET FOR TIMING.
9. CONSTRUCT CURB AND GUTTER/BARRIER WITH UNDERDRAIN AS SHOWN. CONSTRUCT CULVERT EXTENSION, INCLUDING OUTFALL PROTECTION AND LOW-FLOW CHANNEL. SEE STREAM DIVERSION PLANS FOR INTERMEDIATE PHASING OF CULVERT EXTENSION.
10. GRADE AND BOX OUT FOR PROPOSED EASTBOUND WIDENING PAVEMENT SECTION OF SR 41 TO THE LIMITS SHOWN. PLACE TRM HOT-MIX AS NEEDED TO PROVIDE TEMPORARY ACCESS DURING RECONSTRUCTION.
11. CONSTRUCT SIGNAL POLE BASES AND OTHER SIGNAL SUPPORT FACILITIES (NOT SHOWN) AT INTERSECTION AS APPROPRIATE. COVER SIGNAL HEADS AND SIGNS AS NECESSARY.
12. PLACE PROPOSED HOT-MIX PAVING SECTION UP TO THE TOP OF HOT-MIX TYPE B LAYER TO LIMITS SHOWN.
13. PERFORM REMAINING CONSTRUCTION OF SR 41 AND VALLEY ROAD WIDENING DETAILED IN PHASE 1B, SEE NEXT SHEET.
14. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED, AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES AND SWITCH TO PHASE 2 TRAFFIC CONTROL.
15. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, REMOVE/ RELOCATE PORTABLE PCC BARRIER AS NEEDED PRIOR TO SWITCH TO PHASE 2 TRAFFIC CONTROL.

SUPPLEMENTAL SEQUENCING

THE FOLLOWING ITEMS ARE REQUIRED TO BE CONSTRUCTED AT AN EARLIER TIME THAN THAT OUTLINED IN THE MAIN PHASE 1 SEQUENCE OF CONSTRUCTION.

AS A FIRST ORDER OF WORK AS PART OF THE FALL 2004 PORTION OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM THE FOLLOWING WORK TASKS:

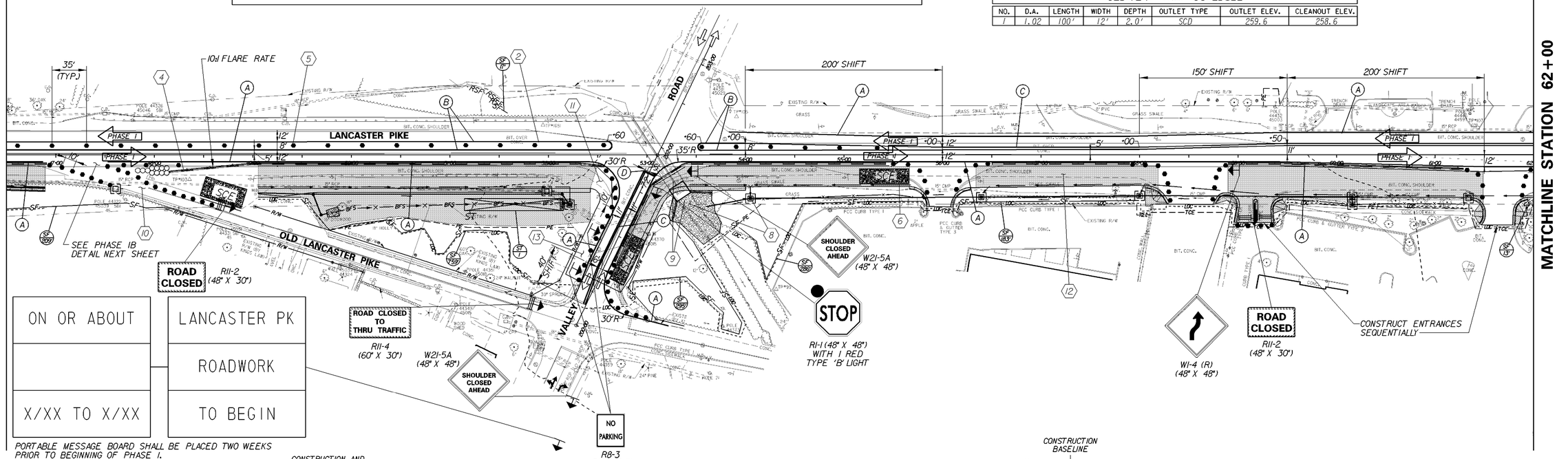
1. PLACE SILT FENCE AND CONSTRUCT SEDIMENT TRAP AT STA. 51+50, RT.
2. CONSTRUCT BIOFILTRATION SWALE FROM STA. 49+75 TO STA. 51+50, RT.
3. CONSTRUCT STORM DRAINAGE SYSTEM FROM STA. 49+60 TO STA. 52+25, RT.

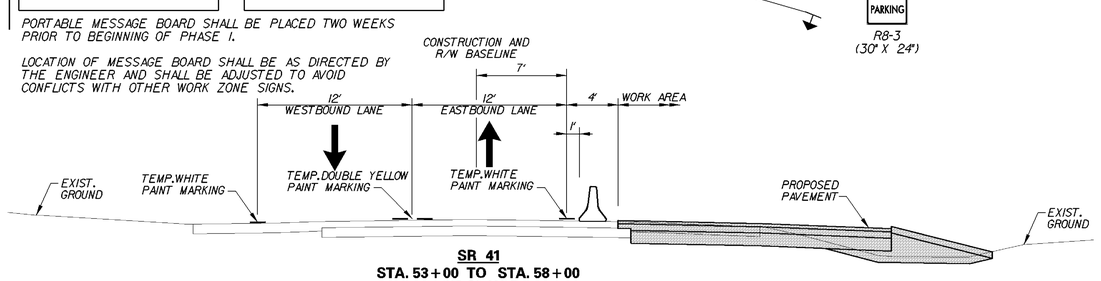
SEDIMENT TRAP SCHEDULE

NO.	D.A.	LENGTH	WIDTH	DEPTH	OUTLET TYPE	OUTLET ELEV.	CLEANOUT ELEV.
1	1.02	100'	12'	2.0'	SCD	259.6	258.6

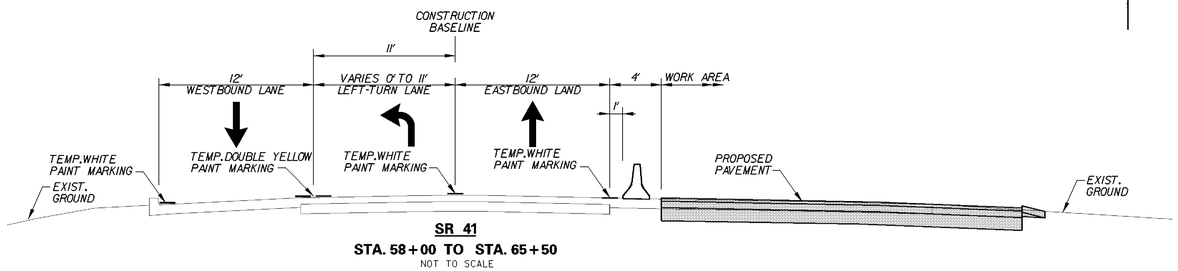
MATCHLINE STATION 46+50

MATCHLINE STATION 62+00





SR 41
STA. 53+00 TO STA. 58+00
NOT TO SCALE



SR 41
STA. 58+00 TO STA. 65+50
NOT TO SCALE

PREL. TRACING ____ J.A.D. ____ DESIGN ____ C.L.G./D.E.G. ____ CHKD. ____ M.M.P.

6/17/2004

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CONSTRUCTION SEQUENCE LEGEND

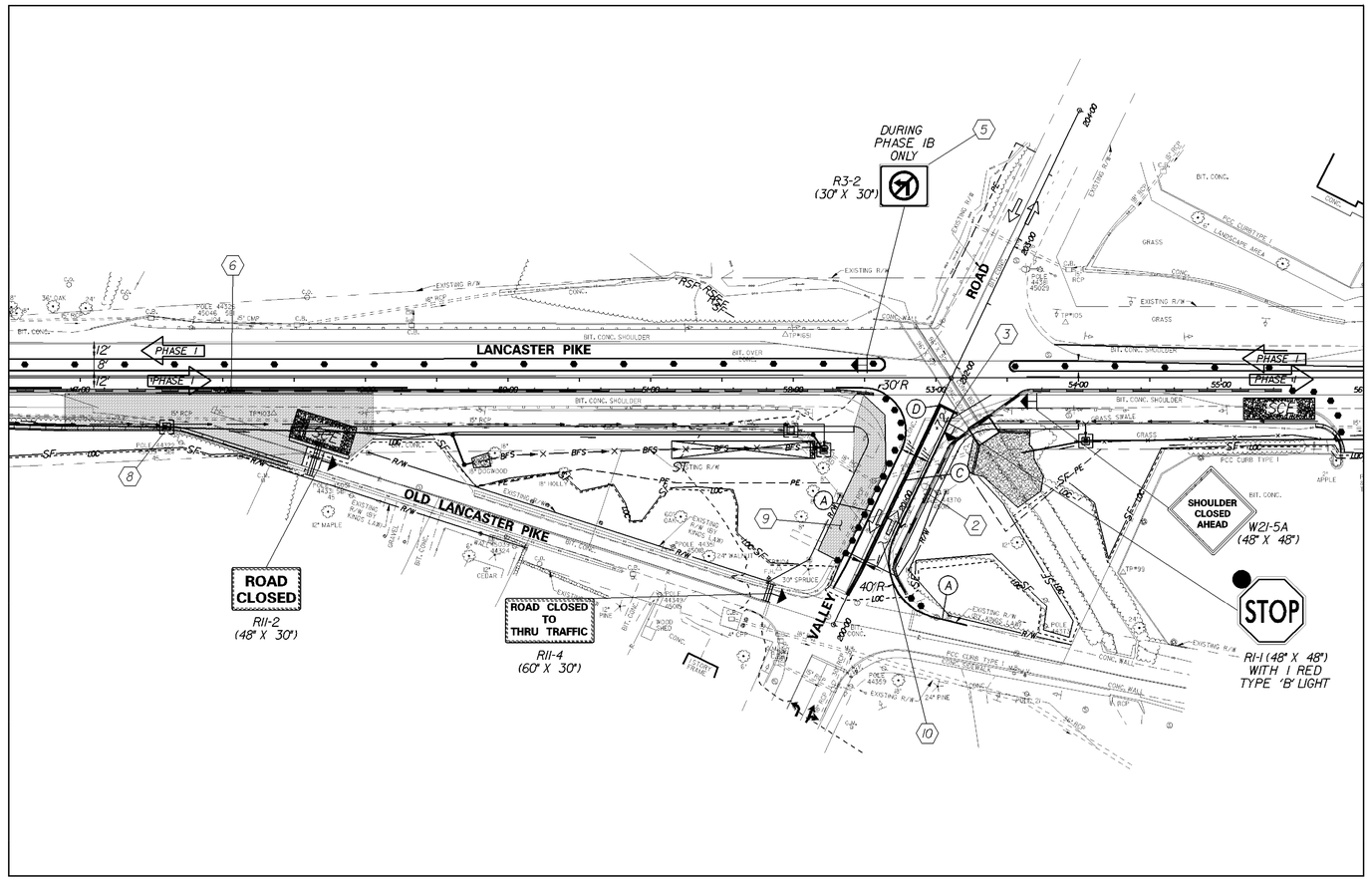
- TEMPORARY CONSTRUCTION
- WORK AREA THIS PHASE
- EXISTING TRAFFIC FLOW AREA
- TEMPORARY WHITE PAVEMENT MARKING ARROW
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (D) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 4" DASHED YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING

SEQUENCE OF CONSTRUCTION

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE FIRST CONSTRUCTION PHASING, MOT AND EROSION CONTROL SHEET.
2. UNDER CASE 3 OF THE TRAFFIC CONTROL MANUAL, PLACE AND/OR RELOCATE PORTABLE CONCRETE SAFETY BARRIER ALONG THE EAST SIDE OF THE VALLEY ROAD APPROACH (19' OFFSET RT.) AS SHOWN IN THE PHASE IB DETAIL. PLACE PLASTIC DRUMS ALONG THE WEST SIDE OF THE VALLEY ROAD APPROACH (12' OFFSET LT.).
3. REMOVE EXISTING STRIPING AS NECESSARY USING CASE 6, AND PLACE TEMPORARY PAVEMENT STRIPING, USING CASE 8A, AS SHOWN UNDER PHASE IB FOR THE VALLEY ROAD APPROACH.
4. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE IB ON VALLEY ROAD.
5. SET UP SIGNS AS SHOWN ON THIS SHEET AND THE MAIN PHASE I CONSTRUCTION PHASING SHEETS.
6. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, PLACE PORTABLE CONCRETE SAFETY BARRIER ALONG THE SOUTH SIDE OF SR 41 TO CLOSE THE INTERSECTION OF OLD LANCASTER PIKE FROM STA. 46+90 TO STA. 48+00 (8' OFFSET RT.). PLACE ADDITIONAL TYPE 3 BARRICADES AS NECESSARY TO FULLY CLOSE OLD LANCASTER PIKE APPROACH TO SR 41.
7. INSTALL ALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN.
8. REMOVE EXISTING SHOULDER AND PLACE DRAINAGE SYSTEM AND CURB AND GUTTER/BARRIER WITH UNDERDRAIN AS SHOWN.
9. CONSTRUCT WIDENING OF SR 41 AND VALLEY ROAD UP TO THE TOP OF HOT-MIX TYPE B LAYER TO LIMITS SHOWN.
10. DURING NON-PEAK HOURS FLAGGING OPERATION CONSTRUCT REMAINING MILLING AND OVERLAY ON VALLEY ROAD APPROACH TO SR 41.

CONSTRUCTION PHASING, MOT AND EROSION CONTROL PHASE 1B

SCALE
0 50 100 150
FEET



PHASE 1B

NOTE:
PHASE IB SHALL OCCUR AT THE END OF PHASE I AND SHALL SERVE TO COMPLETE THE EASTBOUND SR 41 WIDENING IN THE AREA OF OLD LANCASTER PIKE INTERSECTION AND THE WESTSIDE WIDENING OF THE VALLEY ROAD APPROACH. THE DURATION OF THIS PHASE SHALL BE MINIMIZED AS MUCH AS PRACTICAL.

CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
20-007-02	NEW CASTLE	SEE TITLE SHEET	85	151

SR 41 (LANCASTER PIKE) SAFETY PROJECT

REVISIONS	

PREL. TRACING ____ J.A.D. ____ DESIGN ____ C.L.G./D.E.G. ____ CHKD. ____ J.M.P. ____

6/17/2004

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
20-007-02	NEW CASTLE	SEE TITLE SHEET	86	151

SR 41 (LANCASTER PIKE) SAFETY PROJECT

REVISIONS	

CONSTRUCTION SEQUENCE LEGEND

- TEMPORARY CONSTRUCTION
- WORK AREA THIS PHASE
- EXISTING TRAFFIC FLOW AREA
- TEMPORARY WHITE PAVEMENT MARKING ARROW
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (D) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 4" DASHED YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING

SEQUENCE OF CONSTRUCTION

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE FIRST CONSTRUCTION PHASING, MOT AND EROSION CONTROL SHEET.
2. REMOVE EXISTING STRIPING AS NECESSARY USING CASE 6. PLACE TEMPORARY PAVEMENT STRIPING USING CASE 8A AS SHOWN UNDER PHASE I TRAFFIC CONTROL.
3. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE I.
4. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, PLACE PORTABLE CONCRETE SAFETY BARRIER ON SOUTH SIDE OF SR 41 FROM STA. 65+50 TO STA. 72+00 (13' OFFSET RT.) AND STA. 75+00 TO STA. 101+50 (20' OFFSET RT.) AND ON YORKLYN ROAD FROM STA. 303+00 TO STA. 304+75 (9' OFFSET RT.) AND FROM STA. 400+45 TO 402+70 (OFFSET VARIES RT.) AS SHOWN. PLACE PORTABLE CONCRETE SAFETY BARRIER ON NORTH SIDE OF SR 41 FROM STA. 66+00 TO STA. 68+50 (18' OFFSET LT.).
5. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN.
6. CONSTRUCT ALL SIGNAL POLE BASES AND OTHER SIGNAL SUPPORT FACILITIES AT INTERSECTION. SEE SIGNAL PHASING PLAN.
7. PERFORM CONSTRUCTION AND TRAFFIC PHASING OF SOUTH SIDE SR 41 RIGHT TURN LANE ONTO YORKLYN ROAD AS SHOWN IN PHASE IA DETAIL, SEE NEXT SHEET. SHIFT TRAFFIC TO NEW RIGHT TURN LANE.
8. REMOVE EXISTING SHOULDER AND PLACE DRAINAGE SYSTEM WORKING UPSTREAM FROM OUTFALL POINT(S). CONSTRUCT PIPE CROSSING AND TRM PATCH OF RIGHT TURN LANE FROM STA. 68+40 TO 69+50 LT., INCLUDING OUTFALL PROTECTION, DURING NON-PEAK HOURS UNDER HALF-SECTION FLAGGER CONTROL.
9. CONSTRUCT DOWNSTREAM END OF PIPE CULVERT EXTENSION AT STA. 76+75 RT. INCLUDING JUNCTION BOX. SEE STREAM DIVERSION PLANS FOR INTERMEDIATE PHASING OF CULVERT CONSTRUCTION.
10. CONSTRUCT CURB AND GUTTER AND UNDERDRAIN AS SHOWN.
11. GRADE AND BOX OUT FOR PROPOSED WIDENING OF SOUTH SIDE OF SR 41, EAST SIDE OF YORKLYN ROAD AND NORTH SIDE OF 41 TO THE LIMITS SHOWN.
12. PLACE PROPOSED HOT-MIX PAVING SECTION UP TO TOP OF HOT-MIX TYPE B LAYER TO THE LIMITS SHOWN. PLACE TRM HOT-MIX AS NEEDED TO PROVIDE TEMPORARY ACCESS DURING RECONSTRUCTION.
13. CONSTRUCT FULL DEPTH PAVING FROM STA. 64+50 TO STA. 65+30 RT AS SHOWN IN PHASE I DETAIL, SEE NEXT SHEET. PLACE FULL-DEPTH PAVING IN THE AREA TO BE OCCUPIED BY PROPOSED TRIANGULAR ISLAND LOCATED AT 664+75 RT.
14. UNDER FLAGGING OPERATION CONSTRUCT REMAINING MILLING AND OVERLAY OF YORKLYN ROAD UP TO TOP OF HOT-MIX TYPE B LAYER.
15. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, REMOVE/ RELOCATE PORTABLE PCC BARRIER AS NEEDED PRIOR TO SWITCH TO PHASE 2 TRAFFIC CONTROL.
16. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES AND SWITCH TO PHASE 2 TRAFFIC CONTROL.

CONSTRUCTION PHASING, MOT AND EROSION CONTROL PHASE 1

SCALE
0 50 100 150
FEET

N

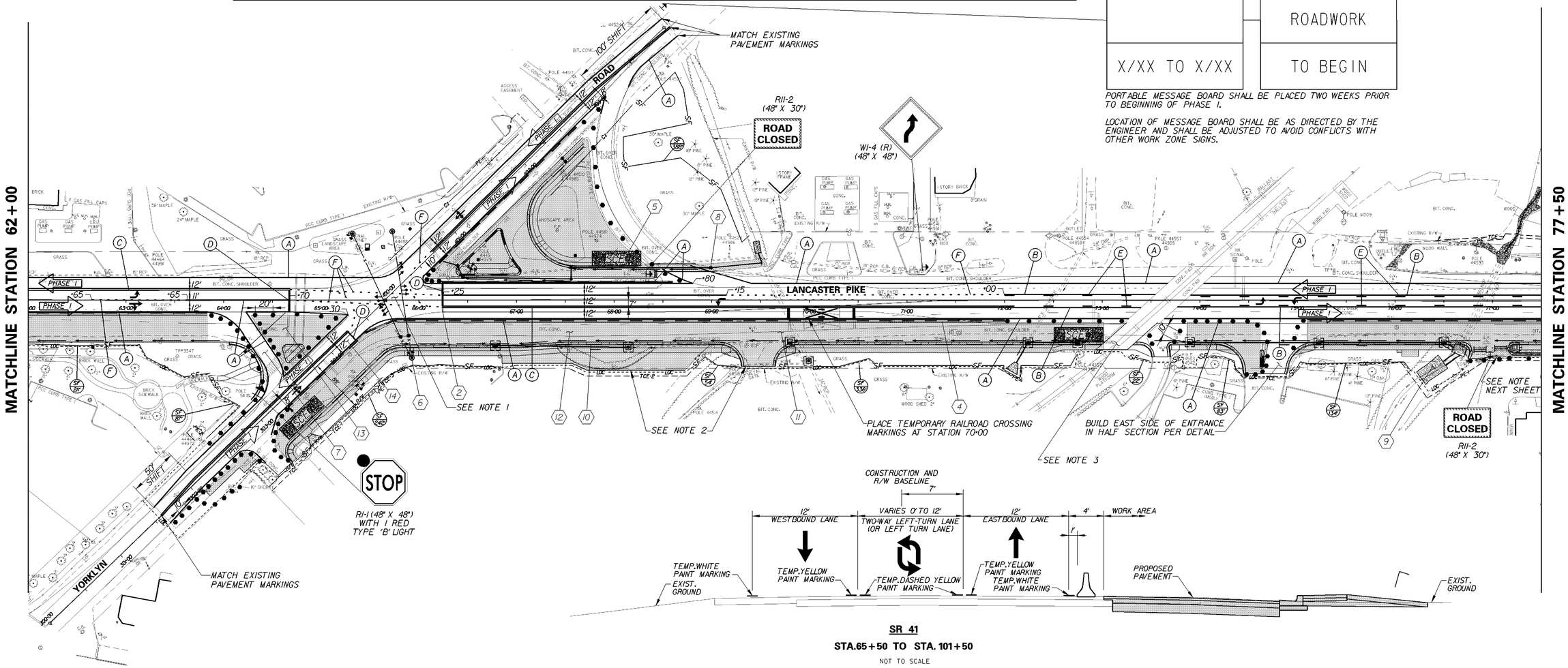
NOTES:

1. *CONTRACTOR SHALL COORDINATE WITH ENGINEER A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK IN THIS PHASE TO ARRANGE FOR TRAFFIC SIGNAL OPERATION MODIFICATIONS.*
2. *REMOVAL OF EXISTING ENTRANCES AND CONSTRUCTION OF NEW ENTRANCE SHALL BE COORDINATED WITH DEVELOPER OF ADJACENT PROPERTY AS REQUIRED.*
3. *CONTRACTOR SHALL COORDINATE WITH THE RAILROAD CONTRACTOR FOR CONSTRUCTION OF NEW RAILROAD CROSSING PAD.*

ON OR ABOUT	LANCASTER PK
	ROADWORK
X/XX TO X/XX	TO BEGIN

PORTABLE MESSAGE BOARD SHALL BE PLACED TWO WEEKS PRIOR TO BEGINNING OF PHASE I.

LOCATION OF MESSAGE BOARD SHALL BE AS DIRECTED BY THE ENGINEER AND SHALL BE ADJUSTED TO AVOID CONFLICTS WITH OTHER WORK ZONE SIGNS.



SR 41

STA.65+50 TO STA. 101+50

NOT TO SCALE

PREL. TRACING ____ J.A.D. ____ DESIGN ____ C.L.G./D.E.G. ____ CHK'D. ____ M.M.P. ____

6/17/2004

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
20-007-02	NEW CASTLE	SEE TITLE SHEET	87	151

SR 41 (LANCASTER PIKE) SAFETY PROJECT

REVISIONS	

CONSTRUCTION PHASING, MOT AND EROSION CONTROL PHASE 1 AND 1A

SCALE
0 30 60 90
FEET

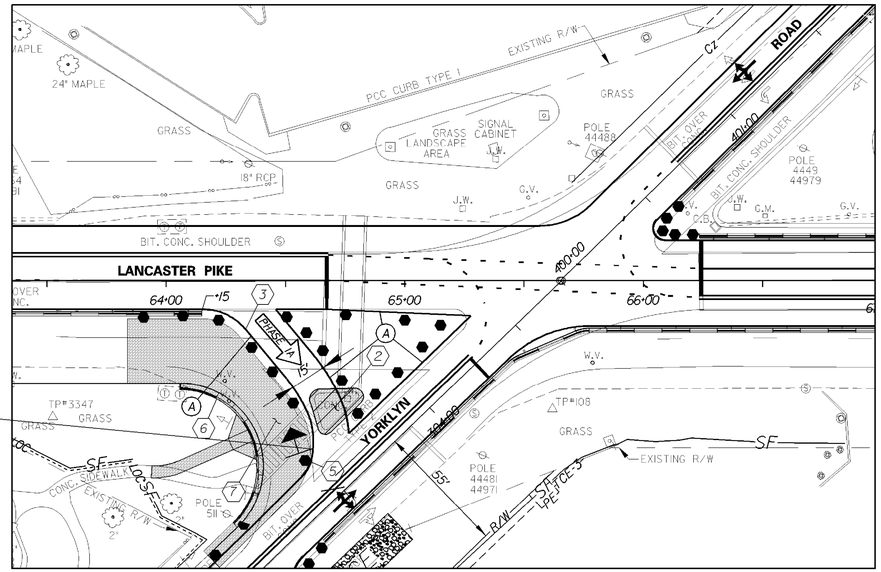
N

CONSTRUCTION SEQUENCE LEGEND

- TEMPORARY CONSTRUCTION
- WORK AREA THIS PHASE
- EXISTING TRAFFIC FLOW AREA
- TEMPORARY WHITE PAVEMENT MARKING ARROW
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (D) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 4" DASHED YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING

NOTE:
PHASE 1A SHALL OCCUR AT THE BEGINNING OF PHASE 1. UPON COMPLETION OF PHASE 1A, TRAFFIC CONTROL SETUP SHALL REVERT TO PHASE 1 SETUP SHOWN ON MAIN PHASING SHEETS. DURATION OF PHASE 1A SHALL BE MINIMIZED AS MUCH AS PRACTICAL.

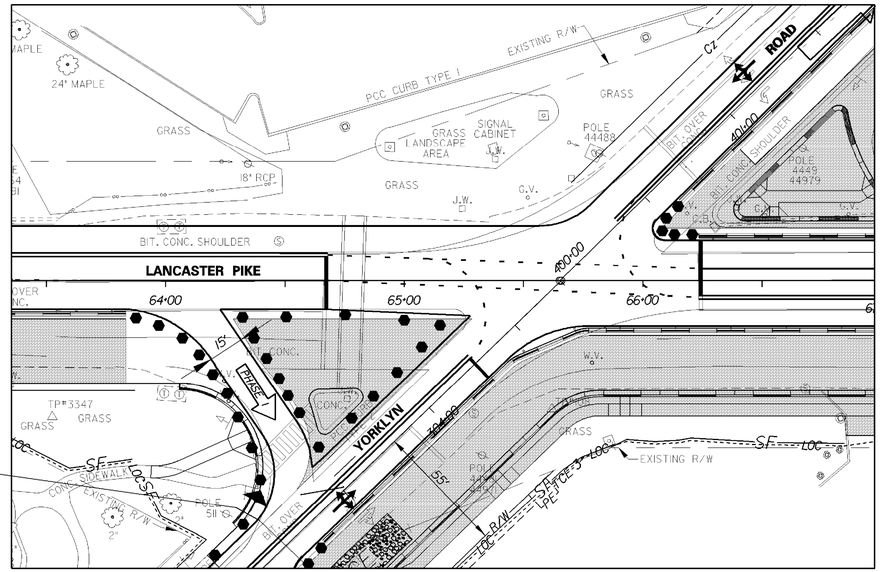
PHASE 1A



STOP
RI-1 (48" X 48") WITH 1 FLASHING TYPE 'B' LIGHT

NOTE: ENTIRE WORK AREA FOR PHASE 1 SHOWN ABOVE FOR CLARITY.

PHASE 1



STOP
RI-1 (48" X 48") WITH 1 FLASHING TYPE 'B' LIGHT

SEQUENCE OF CONSTRUCTION – PHASE 1A

1. PLACE ALL PERTINENT WARNING SIGNS AS SHOWN ON THE FIRST CONSTRUCTION PHASING, MOT AND EROSION CONTROL SHEET.
2. REMOVE EXISTING CONCRETE ISLAND AND PLACE TEMPORARY PAVEMENT.
3. REMOVE EXISTING STRIPING AS NECESSARY AND PLACE TEMPORARY PAVEMENT STRIPING AS SHOWN UNDER PHASE 1A.
4. SHIFT TRAFFIC TO NEW RIGHT TURN LANE DESIGNATED FOR PHASE 1A.
5. PLACE PLASTIC DRUMS AS SHOWN TO DELINEATE RIGHT TURN LANE, AT 20' MAXIMUM SPACING.
6. REMOVE EXISTING TURN LANE AND PLACE CURB AND GUTTER AS SHOWN.
7. CONSTRUCT WIDENING OF NEW TURNING ROADWAY UP TO TOP OF HOT-MIX, TYPE B LAYER.
8. UPON COMPLETION OF THIS TASK, RESET ALL PERTINENT TRAFFIC CONTROL DEVICES RELATED TO TURN LANE PER PHASE 1.

SEQUENCE OF CONSTRUCTION – PHASE 1

1. AFTER COMPLETION OF PHASE 1A REMOVE STRIPING AS NECESSARY USING CASE 6, AND PLACE TEMPORARY PAVEMENT STRIPING USING CASE 8A AS SHOWN UNDER PHASE 1 TRAFFIC CONTROL.
2. SHIFT TRAFFIC TO NEW RIGHT TURN LANE DESIGNATED FOR PHASE 1.
3. PLACE PLASTIC DRUMS AS SHOWN TO DELINEATE RIGHT TURN LANE, AT 20' MAXIMUM SPACING ON CENTER.
4. REMOVE EXISTING PAVEMENT AND CONSTRUCT FULL DEPTH PAVING FROM STA. 64+50 TO STA. 65+30 RT. AS SHOWN IN PHASE 1 DETAIL. PLACE FULL-DEPTH PAVING IN THE AREA TO BE OCCUPIED BY PROPOSED TRIANGULAR ISLAND LOCATED AT 604+75 RT. USE TEMPORARY PAVEMENT MATERIALS PLACED IN PHASE 1A IN PROPOSED SECTION TO THE EXTENT PRACTICAL.

PREL. TRACING J.A.D. DESIGN C.L.G./D.E.G. CHKD. M.M.P.

6/17/2004

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
20-007-02	NEW CASTLE	SEE TITLE SHEET	88	151

SR 41 (LANCASTER PIKE) SAFETY PROJECT

REVISIONS	

CONSTRUCTION PHASING, MOT AND EROSION CONTROL PHASE 1

SCALE
0 50 100 150
FEET

N

CONSTRUCTION SEQUENCE LEGEND

- TEMPORARY CONSTRUCTION
- WORK AREA THIS PHASE
- EXISTING TRAFFIC FLOW AREA
- TEMPORARY WHITE PAVEMENT MARKING ARROW
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (D) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 4" DASHED YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING

SEQUENCE OF CONSTRUCTION

**** SEE SUPPLEMENTAL SEQUENCING ****

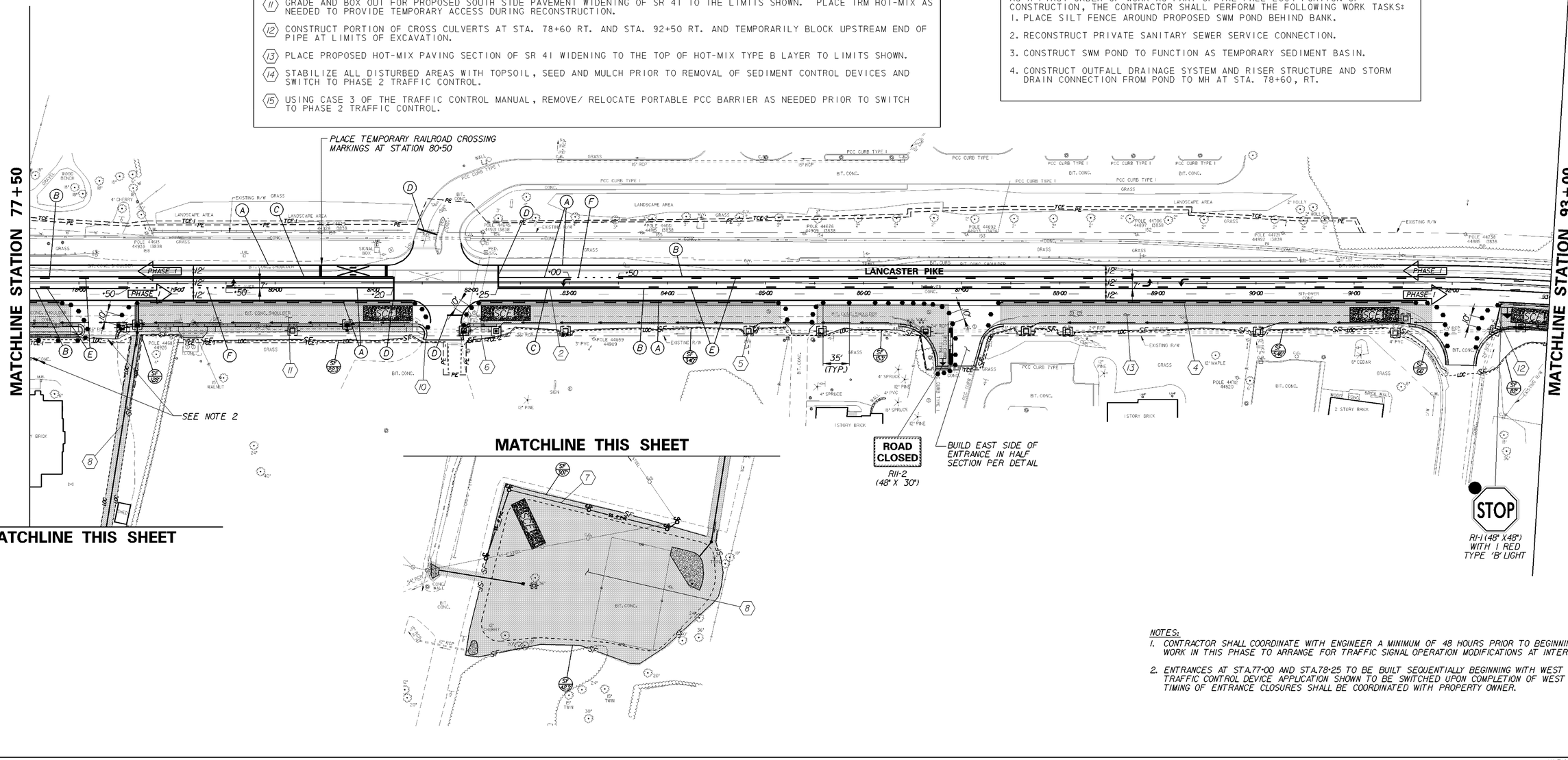
1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE FIRST CONSTRUCTION PHASING, MOT AND EROSION CONTROL SHEET.
2. REMOVE EXISTING STRIPING AS NECESSARY, USING CASE 6, AND PLACE TEMPORARY PAVEMENT STRIPING, USING CASE 8A, AS SHOWN UNDER PHASE I TRAFFIC CONTROL.
3. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE I.
4. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, PLACE PORTABLE CONCRETE SAFETY BARRIER ALONG SOUTH SIDE OF SR 41 (20' OFFSET RT.) BETWEEN STA. 75+00 TO STA. 101+50.
5. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN.
6. CONSTRUCT ALL SIGNAL POLE BASES AND OTHER SIGNAL SUPPORT FACILITIES AT INTERSECTION. SEE SIGNAL PHASING PLANS.
7. COORDINATE WITH PROPERTY OWNER TO RELOCATE SANITARY SEWER SERVICE LINE. SEE SANITARY SEWER PLAN AND PROFILE SHEET FOR INTERMEDIATE PHASING AND CONSTRUCTION DETAILS. SEE SUPPLEMENTAL SEQUENCING THIS SHEET FOR TIMING.
8. CONSTRUCT STORMWATER MANAGEMENT POND AT REAR OF BANK PROPERTY (SEE INSERT THIS SHEET). POND TO FUNCTION AS TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION. SEE STORMWATER MANAGEMENT PLANS FOR DETAILS ON SEDIMENT BASIN. SEE SUPPLEMENTAL SEQUENCING THIS SHEET FOR TIMING.
9. REMOVE EXISTING SHOULDER AND PLACE DRAINAGE SYSTEM WORKING UPSTREAM FROM OUTFALL POINT(S).
10. CONSTRUCT CURB AND GUTTER WITH UNDERDRAIN AS SHOWN.
11. GRADE AND BOX OUT FOR PROPOSED SOUTH SIDE PAVEMENT WIDENING OF SR 41 TO THE LIMITS SHOWN. PLACE TRM HOT-MIX AS NEEDED TO PROVIDE TEMPORARY ACCESS DURING RECONSTRUCTION.
12. CONSTRUCT PORTION OF CROSS CULVERTS AT STA. 78+60 RT. AND STA. 92+50 RT. AND TEMPORARILY BLOCK UPSTREAM END OF PIPE AT LIMITS OF EXCAVATION.
13. PLACE PROPOSED HOT-MIX PAVING SECTION OF SR 41 WIDENING TO THE TOP OF HOT-MIX TYPE B LAYER TO LIMITS SHOWN.
14. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES AND SWITCH TO PHASE 2 TRAFFIC CONTROL.
15. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, REMOVE/ RELOCATE PORTABLE PCC BARRIER AS NEEDED PRIOR TO SWITCH TO PHASE 2 TRAFFIC CONTROL.

SUPPLEMENTAL SEQUENCING

THE FOLLOWING ITEMS ARE REQUIRED TO BE CONSTRUCTED AT AN EARLIER TIME THAN THAT OUTLINED IN THE MAIN PHASE I SEQUENCE OF CONSTRUCTION.

AS A FIRST ORDER OF WORK AS PART OF THE FALL 2004 PORTION OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM THE FOLLOWING WORK TASKS:

1. PLACE SILT FENCE AROUND PROPOSED SWM POND BEHIND BANK.
2. RECONSTRUCT PRIVATE SANITARY SEWER SERVICE CONNECTION.
3. CONSTRUCT SWM POND TO FUNCTION AS TEMPORARY SEDIMENT BASIN.
4. CONSTRUCT OUTFALL DRAINAGE SYSTEM AND RISER STRUCTURE AND STORM DRAIN CONNECTION FROM POND TO MH AT STA. 78+60, RT.



NOTES:

1. CONTRACTOR SHALL COORDINATE WITH ENGINEER A MINIMUM OF 48 HOURS PRIOR TO BEGINNING WORK IN THIS PHASE TO ARRANGE FOR TRAFFIC SIGNAL OPERATION MODIFICATIONS AT INTERSECTION.
2. ENTRANCES AT STA.77+00 AND STA.78+25 TO BE BUILT SEQUENTIALLY BEGINNING WITH WEST ENTRANCE. TRAFFIC CONTROL DEVICE APPLICATION SHOWN TO BE SWITCHED UPON COMPLETION OF WEST ENTRANCE. TIMING OF ENTRANCE CLOSURES SHALL BE COORDINATED WITH PROPERTY OWNER.

PREL. TRACING ____ DESIGN ____ C.L.G./D.E.G. ____ CHKD. ____ M.M.P. ____

6/17/2004

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CONTRACT	COUNTY	F.A.P. NO.	SHEET NO.	TOTAL SHTS.
20-007-02	NEW CASTLE	SEE TITLE SHEET	89	151

SR 41 (LANCASTER PIKE) SAFETY PROJECT

REVISIONS	

CONSTRUCTION PHASING, MOT AND EROSION CONTROL PHASE 1

SCALE
0 50 100 150
FEET

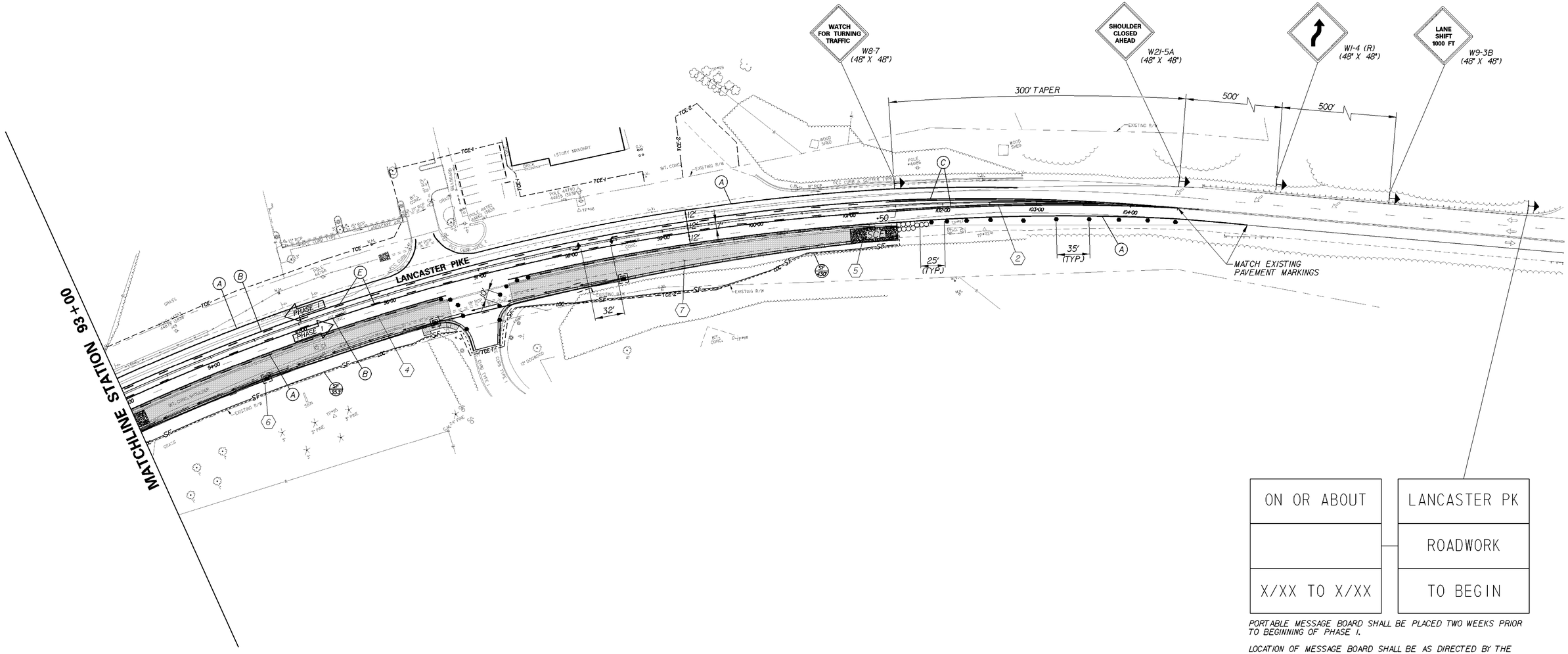
N

CONSTRUCTION SEQUENCE LEGEND

- TEMPORARY CONSTRUCTION
- WORK AREA THIS PHASE
- EXISTING TRAFFIC FLOW AREA
- TEMPORARY WHITE PAVEMENT MARKING ARROW
- (A) 4" WHITE TEMPORARY PAVEMENT STRIPING
- (B) 4" YELLOW TEMPORARY PAVEMENT STRIPING
- (C) 4" DOUBLE YELLOW TEMPORARY PAVEMENT STRIPING
- (D) 16" WHITE TEMPORARY PAVEMENT STRIPING
- (E) 4" DASHED YELLOW TEMPORARY PAVEMENT STRIPING
- (F) 4" SKIP WHITE TEMPORARY PAVEMENT STRIPING

SEQUENCE OF CONSTRUCTION

1. PLACE ALL PERMANENT WARNING SIGNS AS SHOWN ON THE FIRST CONSTRUCTION PHASING, MOT AND EROSION CONTROL SHEET.
2. REMOVE EXISTING STRIPING AS NECESSARY, USING CASE 6, AND PLACE TEMPORARY PAVEMENT STRIPING, USING CASE 8A, AS SHOWN UNDER PHASE I TRAFFIC CONTROL.
3. SHIFT TRAFFIC TO NEW LANES DESIGNATED FOR PHASE I.
4. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, PLACE PORTABLE CONCRETE SAFETY BARRIER ALONG SOUTH SIDE OF SR 41 (20' OFFSET RT.) BETWEEN STA. 75+00 TO STA. 101+50.
5. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN.
6. REMOVE EXISTING SHOULDER AND PLACE DRAINAGE SYSTEM WORKING UPSTREAM FROM OUTFALL POINT(S).
7. CONSTRUCT CURB AND GUTTER WITH UNDERDRAIN AS SHOWN.
8. GRADE AND BOX OUT FOR PROPOSED PAVEMENT SECTION TO THE LIMITS SHOWN. PLACE TRM HOT-MIX AS NEEDED TO PROVIDE TEMPORARY ACCESS TO DURING RECONSTRUCTION.
9. PLACE PROPOSED HOT-MIX PAVING SECTION UP TO THE TOP OF HOT-MIX TYPE B LAYER TO LIMITS SHOWN.
10. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES AND SWITCH TO PHASE 2 TRAFFIC CONTROL.
11. USING CASE 3 OF THE TRAFFIC CONTROL MANUAL, REMOVE/ RELOCATE PORTABLE PCC BARRIER AS NEEDED PRIOR TO SWITCH TO PHASE 2 TRAFFIC CONTROL.



ON OR ABOUT	LANCASTER PK
	ROADWORK
X/XX TO X/XX	TO BEGIN

PORTABLE MESSAGE BOARD SHALL BE PLACED TWO WEEKS PRIOR TO BEGINNING OF PHASE I.

LOCATION OF MESSAGE BOARD SHALL BE AS DIRECTED BY THE ENGINEER AND SHALL BE ADJUSTED TO AVOID CONFLICTS WITH OTHER WORK ZONE SIGNS.

PREL. TRACING ____ U.A.D. ____ DESIGN ____ C.L.G./D.E.G. ____ CHKD. ____ M.M.P. ____

6/17/2004

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